

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

APR 18 2006

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/765,627
Filing Date	January 27, 2004
First Named Inventor	David J. Steele
Art Unit	3672
Examiner Name	H. Dang
Attorney Docket Number	006073 U1D1 USA

Sheet 1 of 5

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
HD		US- 7,000,703	02-21-2006	Smith, et al.	
		US- 7,000,695	02-21-2006	Steele, et al.	
		US- 6,935,431	08-30-2005	Dewey, et al.	
		US- 6,935,422	08-30-2005	Steele, et al.	
		US- 6,915,855	07-12-2005	Steele, et al.	
		US- 6,883,611	04-26-2005	Smith, et al.	
		US- 6,863,129	03-08-2005	Ohmer, et al.	
		US- 6,848,504	02-01-2005	Brunet, et al.	
		US- 6,772,841	08-10-2004	Gano	
		US- 6,752,211	06-22-2004	Dewey, et al.	
		US- 6,698,517	03-02-2004	Simpson, et al.	
		US- 6,648,069	11-18-2003	Dewey, et al.	
		US- 6,578,630	06-17-2003	Simpson, et al.	
		US- 6,564,870	05-20-2003	Grigsby, et al.	
		US- 6,564,867	05-20-2003	Ohmer	
		US- 6,554,062	04-29-2003	Dewey, et al.	
		US- 6,543,553	04-08-2003	Bergeron	
		US- 6,454,006	09-24-2002	Freeman, et al.	
HD		US- 6,405,804	06-18-2002	Ohmer, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
HD		EP 0961007	12-01-1999	Halliburton Energy		
HD		EP 0823534	02-11-1998	Anadrill Intn'l		
HD		WO 98/09053	03-05-1998	Baker Hughes Inc.		

Examiner
Signature

/Hoang Dang/ (05/28/2006)

Date
Considered

05/28/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/765,627
Filing Date	January 27, 2004
First Named Inventor	David J. Steele
Art Unit	3672
Examiner Name	H. Dang
Attorney Docket Number	006073 U1D1 USA

Sheet

2

of

5

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
HD		US- 6,308,782	10-30-2001	Brooks, et al.	
		US- 6,209,648	04-03-2001	Ohmer, et al.	
		US- 6,209,644	04-03-2001	Brunet	
		US- 6,192,748	02-27-2001	Miller	
		US- 6,189,616	02-20-2001	Gano, et al.	
		US- 6,119,771	09-19-2000	Gano, et al.	
		US- 6,092,601	07-25-2000	Gano, et al.	
		US- 6,089,320	07-18-2000	LaGrange	
		US- 6,070,671	06-06-2000	Cumming, et al.	
		US- 6,065,543	05-23-2000	Gano, et al.	
		US- 5,975,208	11-02-1999	Brooks	
		US- 5,964,288	10-12-1999	Leighton, et al.	
		US- 5,944,109	08-31-1999	Longbottom	
		US- 5,944,108	08-31-1999	Baugh, et al.	
		US- 5,884,704	03-23-1999	Longbottom, et al.	
		US- 5,868,210	02-09-1999	Johnson, et al.	
		US- 5,526,880	06-18-1996	Jordan, Jr., et al.	
		US- 5,477,925	12-26-1995	Trahan, et al.	
HD		US- 5,454,430	10-03-1995	Kennedy, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
Signature

/Hoang Dang/ (05/28/2006)

Date
Considered

05/28/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/765,627
Filing Date	January 27, 2004
First Named Inventor	David J. Steele
Art Unit	3672
Examiner Name	H. Dang
Attorney Docket Number	006073 U1D1 USA

Sheet	3	of	5
-------	---	----	---

U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
HD		US- 5,388,648	02-14-1995	Jordan, Jr.	
		US- 5,353,876	10-11-1994	Curington, et al.	
		US- 3,116,799	01-07-1964	Lemons	
		US- 2,797,893	07-02-1957	McCune, et al.	
		US- 2,778,603	01-22-1957	McCune, et al.	
		US- 1,804,819	05-12-1931	Spencer, Jr., et al.	
		US- RE 38,642	11-02-2004	Gondouin	
		US- 5,979,560	11-09-1999	Nobileau	
		US- 2005/0178555	08-18-2005	Smith, et al.	
		US- 2005/0167120	08-04-2005	Smith, et al.	
		US- 2005/0167115	08-04-2005	Smith, et al.	
		US- 2005/0167114	08-04-2005	Smith, et al.	
		US- 2005/0167112	08-04-2005	Smith, et al.	
		US- 2005/0167111	08-04-2005	Smith, et al.	
		US- 2005/0167110	08-04-2005	Smith, et al.	
		US- 2005/0161222	07-28-2005	Haugen, et al.	
		US- 2004/0262006	12-30-2004	Dewey, et al.	
	US- 2004/0182568	09-23-2004	Steele, et al.		
HD		US- 2004/0168809	09-02-2004	Nobileau	

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	/Hoang Dang/ (05/28/2006)	Date Considered	05/28/2006
-----------------------	---------------------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/765,627
Filing Date	January 27, 2004
First Named Inventor	David J. Steele
Art Unit	3672
Examiner Name	H. Dang
Attorney Docket Number	006073 U1D1 USA

Sheet 4 of 5

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
HD		US- 2004/0159466	08-19-2004	Haugen, et al.	
		US- 2004/0011529	01-22-2004	McGarian, et al.	
		US- 2004/0007389	01-15-2004	Zupanick	
		US- 2003/0221843	12-04-2003	Fipke, et al.	
		US- 2003/0221834	12-04-2003	Hess, et al.	
		US- 2002/0053437	05-09-2002	Ohmer	
HD		US- 2002/0020531	02-21-2002	Ohmer	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner
Signature

/Hoang Dang/ (05/28/2006)

Date
Considered

05/28/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/765,627
Filing Date	January 27, 2004
First Named Inventor	David J. Steele
Art Unit	3672
Examiner Name	H. Dang
Attorney Docket Number	006073 U1D1 USA

Sheet	5	of	5
-------	---	----	---

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
HD		Search report for United Kingdom application no. GB 0525287.9	

Examiner Signature	/Hoang Dang/ (05/28/2006)	Date Considered	05/28/2006
-----------------------	---------------------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.